Listing of Claims:

1. (cancelled).

2. (Previously Presented) The accessory as claimed in claim 20, further comprising at least one means for preventing the adapter from rotating with respect to the accessory body.

3. (Previously Presented) The accessory as claimed in claim 2, wherein said rotation-preventing means comprises at least one tooth projecting from the first holding means .

4. (Previously Presented) The accessory as claimed in claim 3, wherein the wall of the first holding means defines a hole for receiving the needle therein and wherein said at least one tooth comprises several teeth arranged around the hole.

5. (Previously Presented) The accessory as claimed in claim 4, wherein the adapter has a conical shape dimensioned for being received in said hole.

6. (Previously Presented) The accessory as claimed in claim 20, wherein the body is integrally formed by molding in a synthetic material.

7. (Canceled).

8. (Previously Presented) The accessory as claimed in claim 20, wherein said elastic zone comprises at least one of a curved, perforated, undulating and helicoid portion.

9. (Currently Amended) The accessory as claimed in claim 8, wherein [[the]] a hole configured for the passage of the needle opens to an outside of the wall of the first holding means via at least one slot, this slot allowing the needle to be engaged in the hole laterally.

10. (Previously Presented) The accessory as claimed in claim 9, wherein a bearing zone is shaped to form a stop allowing a piston plunger to slide but lying in a return path of the piston of the syringe or part of the piston plunger.

11. (Currently Amended) The accessory as claimed in claim 10, wherein said bearing zone is delimited by [[the]] at least one proximal transverse wall.

12. (Currently Amended) The accessory as claimed in claim 11, and which comprises two roughly parallel proximal transverse walls offset in the longitudinal direction and which between them delimit a housing for accommodating [[the]] a proximal flange or proximal lateral tabs of ~~that~~ the body of the syringe ~~might have~~.

13. (Previously Presented) The accessory as claimed in claim 12, wherein said housing is tailored to said proximal flange or said proximal lateral tabs.

14. (Previously Presented) The accessory as claimed in claim 13, wherein said housing opens laterally in roughly the same direction as the direction in which said hole for the passage of the needle communicates with the outside of the accessory via said slot.

15. (Previously Presented) The accessory as claimed in claim 14, and which comprises means for snap-fastening the syringe into it.

16. (Previously Presented) The accessory as claimed in claim 15, and which comprises a connecting wall which, at its face facing toward the wall of the first retaining means, forms lateral surfaces on each side of the body of the accessory, these lateral surfaces being intended to accommodate the user's fingers and being shaped ergonomically for that purpose.

17. (Currently Amended) The accessory as claimed in claim 16, and of which the body has two longitudinal edges delimiting [[the]] a housing that accommodates the syringe body, these edges having shapes which taper toward their free edges.

18. (Currently Amended) The accessory as claimed in claim 17, and which is designed for a container being one of a carpule or cartridge ~~"carpule" or "cartridge"~~ type.

19. (Previously Presented) The accessory as claimed in claim 20, wherein said accessory body is a semi-tube.

20. (Currently Amended) An accessory for a syringe, the syringe having a syringe body with a proximal end having a flange and a distal end for supporting a needle at the distal end by way of an adapter, the accessory comprising:

an accessory body having a longitudinal axis, a distal end and a proximal end, the accessory body having an elastic zone forming an integral part of the accessory body and being arranged between the distal end and the proximal end coupling the distal end and the proximal end, the elastic zone being configured to expand elastically in the longitudinal direction of the accessory from a first, rest position, to a second position where a distance between the distal and proximal ends is increased;

a first holding means positioned at the distal end of the accessory body and having a wall configured for receiving the adapter; and

a second holding means positioned at the proximal end of the accessory body and having structure configured for receiving the flange,

whereby when the elastic zone is in the first position, the flange is secured by the second holding means and the adapter is secured by the first holding means so that the syringe is secured to the accessory, and

whereby when the elastic zone is in the second position, the adaptor is movable away from the first holding means ~~positioned outside of the wall of the first holding means~~.

21. (New) An accessory for a syringe, the syringe having a syringe body with a proximal end having a flange and a distal end for supporting a needle at the distal end by way of an adapter, the accessory comprising:

an accessory body having a longitudinal axis, a distal end and a proximal end, the accessory body having an elastic zone forming an integral part of the accessory body and being arranged between the distal end and the proximal end coupling the distal end and the proximal end, the elastic zone being configured to expand elastically in the longitudinal direction of the accessory

from a first, rest position, to a second position where a distance between the distal and proximal ends is increased;

a wall positioned at the distal end of the accessory body and being configured for receiving the adapter; and

a housing positioned at the proximal end of the accessory body and being configured for receiving the flange,

whereby when the elastic zone is in the first position, the flange is secured by the housing and the adapter is secured by the wall so that the syringe is secured to the accessory, and

whereby when the elastic zone is in the second position, the adaptor is movable away from the wall.

22. (New) The accessory as claimed in claim 21, further comprising at least one projection configured to prevent the adapter from rotating with respect to the accessory body.

23. (New) The accessory as claimed in claim 22, wherein said projection comprises at least one tooth projecting from the wall.

24. (New) The accessory as claimed in claim 23, wherein the wall defines a hole for receiving the needle therein and wherein said at least one tooth comprises several teeth arranged around the hole.